

Asaflex™ 815

Styrene Butadiene Styrene Block Copolymer
AKelastomers

Message:

Sheet grade. Blended with SC*, for highly transparent sheets. It is supplied in pellet form.
Blended with SC* for transparent blister packs and other sheets, with GPPS for frozen dessert cups and other containers, and with GPPS/Tufprene™ to obtain PS sheets for food containers and other applications.
* Styrenic copolymer from PS Japan Corp. similar to Asaflex™ 815 in refraction index, resulting in blends that provide sheet transparency significantly higher than attainable with any GPPS (general-purpose polystyrene).

General Information			
Features	Copolymer		
	High Clarity		
Uses	Food Containers		
	Sheet		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.80	%	
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	55		ISO 2039-2
Shore Hardness (Shore D)	71		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/5
Tensile Strain (Break)	200	%	ISO 527-2/5
Flexural Modulus	1200	MPa	ISO 178
Flexural Stress	37.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Complete Break)	2.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (Complete Break)	100	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	57.0	°C	ISO 75-2/A
Vicat Softening Temperature	82.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method

Transmittance (2000 μm)	90.0	%	ISO 3537
Haze (2000 μm)	0.50	%	ISO 3537

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

